

SONY®

3-292-494-11 (1)

Instruction Manual

US

Personal Navigation System Instruction Manual

nav-u



NV-U83T
NV-U73T

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Using the manuals

The following manuals are included with the unit.

Before installing or operating the unit, read these manuals thoroughly and retain them for future reference.

- **Read This First**

Contains instructions on how to install the unit in your car, the location of controls, and the featured navigation operations.

- **Before You Use**

Contains important notices to be read prior to use, including warnings, specifications, and troubleshooting instructions.

- **Quick Guide for Bluetooth Hands-free Calling (NV-U83T only)**

Contains instructions on Bluetooth function basic operations.

- **Instruction Manual (PDF) (this manual)**

Contains descriptions of all functions.

Notes on this manual

- This manual contains instructions for the NV-U83T and U73T.
 - NV-U83T is the model used for illustration and screenshot purposes.
 - Available functions such as POSITION plus or Bluetooth differ depending on the model. Check your model name and refer to the different indications in each section of this manual.
- Illustrations and screenshots in this manual may differ from the actual device.

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Basic Operations

Common procedures to operate the system are explained.

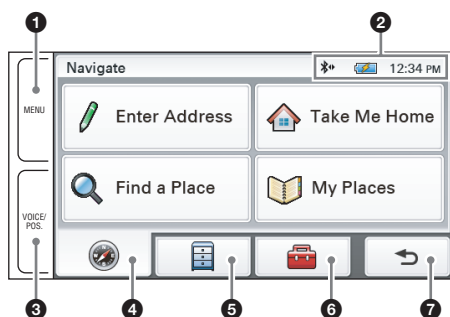
General operations can be performed on the touch screen. Gently touch the displayed icons with your finger.

Note

Do not press the display with excessive force. Do not use any sharp object, such as a pen, etc., to tap on the display.

Menu operations

The main menu appears when you turn on the unit (except during route guidance, in which case the map appears).



- 1 Touch to show the main menu.
- 2 To check the Bluetooth status* (page 19), battery status, and current time.
- 3 **During route guidance:**
Touch to hear the next voice guidance and to show the current position.
In other cases:
Touch to show the map display.
- 4 Touch to show the navigation menu.
- 5 Touch to show the application menu.
- 6 Touch to show the setting menu.
- 7 Touch to return to the previous display.

* NV-U83T only.

Other basic menu operations

To	Touch
cancel the setting	"Cancel"
confirm the selection/ proceed to the next step	"Done" or "OK"

About the battery status indication

The battery status can be checked by the indicator in the main menu.

Indicator	Status
	Charging.
	Fully charged.
	Not fully charged.
	Low battery.
	Battery is empty. Charge battery immediately.

Gesture Command operations

In the map display (except in map scrolling mode), frequently-used operations can be performed by assigning finger strokes such as a line, etc.

To	Draw
start navigation to your home (page 9)	a circumflex
start navigation to a destination stored in Favorites (page 12)	"Favorite 1" a letter "L" shape
	"Favorite 2" a mirror-reversed "L"
change map scale to the "Preset Scale" (page 26)	a clockwise circle
	a counterclockwise circle
call your home (NV-U83T only) (page 22)	a letter "V" shape

Keyboard operations

The keyboard display appears when you need to enter text. When entering addresses, you need only enter characters in upper case, as the system automatically converts them to appropriate characters. You can change the case or enter special characters/symbols when necessary.

The following types of keyboards are selectable:

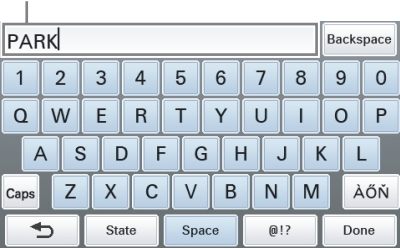
- “QWERTY + 123”: QWERTY layout with number keys.*
- “QWERTY”: Large QWERTY layout without number keys.*
- “ABC”: Alphabetical layout without number keys.

* “QWERTY” refers to the top row of letters, reading from the left, of a traditional typewriter style keyboard.

For details on how to change the setting, see page 25.

QWERTY layout with number keys:

Entry field



To	Touch
enter an alphabetical character	the desired character key
enter a number	the desired number key* ¹
enter a special character	“ÄÖÑ” to switch to the special character keyboard, then the desired character; and “ABC” to switch back
enter a symbol	“@!?” to switch to the symbol keyboard, then the desired symbol key; and “ABC” to switch back
enter a space	“Space”
delete a character	“Backspace”
change the case	“Caps”
confirm the entry* ²	“Done”

*¹ When another keyboard type is selected, touch “123” to switch to the numeric keyboard.

*² The candidate list automatically appears when candidates are narrowed down as you continue inputting characters.

Navigation

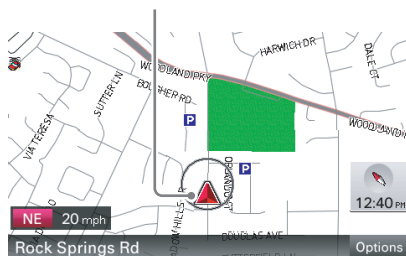
Checking the GPS status

About the GPS status indication

The GPS status can be checked by the color of the current position icon.

If the current position is not displayed, touch VOICE/POS. to show the icon.

Current position icon



Indication	Status
	Signals are insufficient for navigation (less than 3 GPS satellites are received).
	Reception temporarily interrupted (e.g., in a tunnel). The built-in sensor (POSITION plus)* calculates the current position instead.
	Signals are sufficient for navigation.

* Available only for NV-U83T.

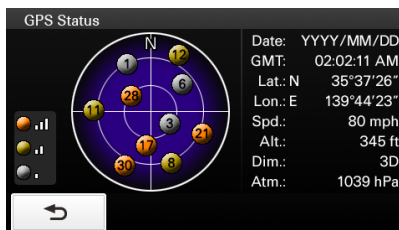
Note

Acquisition of GPS signal may take up to 10 minutes, especially for the first time. Make sure that you are in an open space for faster acquisition.

Viewing detailed GPS status information

Detailed GPS status information, such as the latitude, longitude, etc., can be viewed to check if the current position is properly calculated.

- 1 In the menu display, touch , "General," then "GPS Status."



Route searching

You can search for a route in various ways.

The following route search methods are available.

- "Address search" (page 8)
- "Home search" (page 9)
- "POI search" (page 10)
- "Intersection search" (page 11)
- "City center search" (page 11)
- "Recent destinations search" (page 11)
- "Address book search" (page 11)
- "Favorites search" (page 12)

Address search

Address search allows you to set the destination by entering the address information such as house number, street name, etc.

Note on the state selection

The system recognizes the state you usually drive in and sets it as default, so that you do not need to enter the same state name at each address search. When GPS detects that the current position is not in the default state, the state selection display automatically appears, allowing you to set the desired state.

Full address search

Follow the procedure below if you know the house number, street name, and the city name of the destination.

1 In the menu display, touch , then “Enter Address.”

If the state selection display appears, select the new (current) state or “Change to Different State.”

When selecting “Change to Different State,” enter the state name, then select the desired state.

The house number input display appears.

2 Enter the house number.

The street name input display appears.

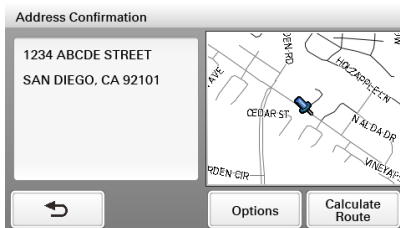
3 Enter the street name.

The list of street candidates appears.

4 Select the desired street in the list.

If more than one city candidate exists, the list of city candidates appears. In this case, select the desired city.

The address confirmation display appears.



5 Select “Calculate Route.”

The route is calculated, and route guidance starts.

Street search

If the house number is not known, a search can be made to an approximate point on the street.

1 In the menu display, touch , then “Enter Address.”

If the state selection display appears, select the new (current) state or “Change to Different State.”

When selecting “Change to Different State,” enter the state name, then select the desired state.

The house number input display appears.

2 Select “Skip” without entering the house number.

The search method options appear.

3 Select “Representative Point of the Street.”

The street name input display appears.

4 Enter the street name.

The list of street candidates appears.

5 Select the desired street in the list.

If more than one city candidate exists, the list of city candidates appears. In this case, select the desired city.

The address confirmation display appears.

6 Select “Calculate Route.”

The route is calculated, and route guidance starts.

To set the destination in another state

You can select a different state in the house number/street name input display.

Select “State,” enter the state name, then select the desired state.

Home search

If you register your home, you can search for a route there.

For details on registering your home, see page 24.

1 In the menu display, touch , then “Take Me Home.”

The route is calculated, and route guidance starts.

Tip

If you select “Take Me Home” without having registered a home address, the registration display automatically appears.

With Gesture Command

In the map display, draw .

POI search

POI (Points Of Interest) search allows you to set facilities such as restaurants, hotels, gas stations, etc., as the destination.

The system searches for POIs near the current position.

To search for the POIs in another city

You can specify the city before selecting the POI search method.

In this case, the system searches for POIs in the city center.

- 1 In the menu display, touch , then “Find a Place.”

The search method selection display appears.

- 2 Select “Change City.”
- 3 Enter the city name.
- 4 Select the desired city in the list.

To switch back to the nearby search, select “Nearby.”

By POI name

You can search for a route to a POI by directly entering its name.

- 1 In the menu display, touch , then “Find a Place.”

The search method selection display appears.

- 2 Select “Points of Interest.”

- 3 Select “By Name.”

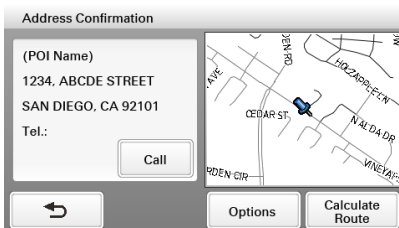
The POI name input display appears.

- 4 Enter the POI name.

The list of POI candidates appears in order of distance from the current position.

- 5 Select the desired POI.

The POI confirmation display appears.



- 6 Select “Calculate Route.”

The route is calculated, and route guidance starts.

Tip

If there are too many POI candidates in the list after step 4 above, you can narrow down by selecting category(ies). Select “Category” to show the category list, then select the desired category(ies).

By POI category

You can search for a route to a POI by selecting its category(ies).

- 1 In the menu display, touch , then “Find a Place.”

The search method selection display appears.

- 2 Select “Points of Interest.”

- 3 Select “Category.”

The list of category candidates appears.

- 4 Select the desired category.

Select sub category when necessary until the POI candidates are narrowed down.

The list of candidates appears in order of distance from the current position.

- 5 Select the desired POI.

The POI confirmation display appears.

- 6 Select “Calculate Route.”

The route is calculated, and route guidance starts.

Tip

If there are too many POI candidates in the list after step 4 above, you can narrow down by entering the POI name. Select “Name” to show the POI name input display, then enter the POI name.

Intersection search

The intersection can be set as a destination, if available for the selected street.

1 In the menu display, touch , then “Find a Place.”

The search method selection display appears.

2 Select “Find Intersection.”

The street name input display appears.

3 Enter the street name.

The list of street candidates appears.

4 Select the desired street in the list.

If more than one city candidate exists, the list of city candidates appears. In this case, select the desired city.

The street name input display appears.

5 Enter the other street name.

The list of street candidates appears.

6 Select the street.

The address confirmation display appears.

7 Select “Calculate Route.”

The route is calculated, and route guidance starts.

Tip

The intersection search can also be made by selecting “Enter Address” in step 1 above and skipping the house number input. For details, see “Street search” on page 9.

City center search

The city center can be set as a destination.

1 In the menu display, touch , then “Find a Place.”

The search method selection display appears.

2 Select “Find City.”

The city name input display appears.

3 Enter the city name.

The list of city candidates appears.

4 Select the desired city in the list.

The address confirmation display appears.

5 Select “Calculate Route.”

The route is calculated, and route guidance starts.

Tip

The city center search can also be made by selecting “Enter Address” in step 1 above and skipping the house number input. For details, see “Street search” on page 9.

Recent destinations search

The system stores previous destinations, allowing you to select one quickly from the list. For details on how to delete the history, see page 18.

1 In the menu display, touch , then “My Places.”

The search method selection display appears.

2 Select “Recent Destinations.”

The list of searched destinations appears in reverse chronological order.

3 Select the desired item in the list.

The address/POI confirmation display appears.

4 Select “Calculate Route.”

The route is calculated, and route guidance starts.

Address book search

You can select the destination saved in the address book.

For details on how to manage the address book, see page 18.

1 In the menu display, touch , then “My Places.”

The search method selection display appears.

2 Select “Address Book.”

The list of groups appears.

3 Select the desired group.

The list of data in the selected group appears in alphabetical order.

4 Select the desired entry in the list.

The address/POI confirmation display appears.

5 Select “Calculate Route.”

The route is calculated, and route guidance starts.

Favorites search

You can select a destination that is saved in the Favorites.

For details on how to manage Favorites, see page 19.

1 In the menu display, touch , then **“My Places.”**

The search method selection display appears.

2 Select **“Favorite 1,” “Favorite 2,” “Favorite 3,”** or **“Favorite 4.”**

The route is calculated, and route guidance starts.

With Gesture Command

In the map display, draw one of the command strokes:

– Favorite 1: 

– Favorite 2: 

Option menu in the address/POI confirmation display

The option menu in the address/POI confirmation display provides various useful operations.

When the confirmation display appears after setting a destination, select **“Options”** before selecting **“Calculate Route,”** then one of the following items.

Save to Address Book*¹ (page 18)

Saves the selected point to the address book.

Edit Item*¹ (page 24)

Edits the selected address book entry.

Interim Destination*² (page 16)

Adds the point as an interim destination in the current route. The system navigates you to this point before the current destination.

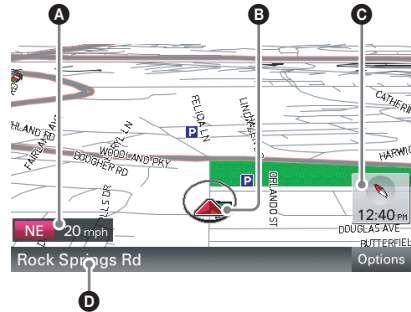
*¹ Appears depending on your selection. *“Edit Item”* appears when you select **“My Places”** → **“Address Book.”** In other cases, **“Save to Address Book”** appears.

*² Available only during route guidance.

Map operations

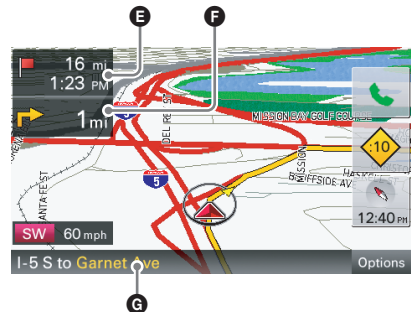
Indications on the map

When no route guidance is in progress:



During route guidance:

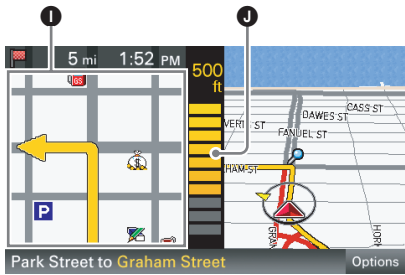
Straight-ahead driving



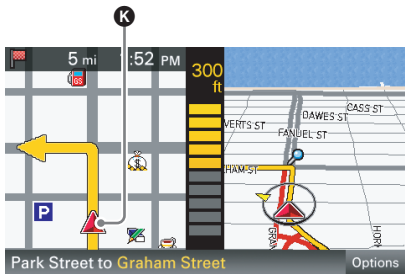
Approaching an intersection



Approaching an intersection (closer)



Approaching an intersection (even closer)



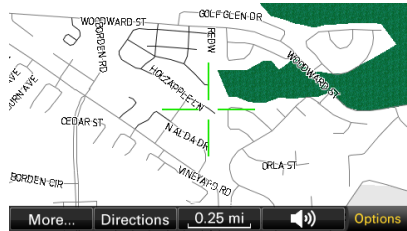
- A** Current direction/current speed
- B** Current position/GPS status indication (page 8)
- C** North indicator/current time
- D** Current street name
- E** ETA (Estimated Time of Arrival)/distance to destination
- F** Distance to next turn
- G** Next street name
- H** Next turn instruction
- I** Magnified view of an intersection
- J** Bar indication of the distance to next turn
- K** Current position

Tip
You can set to hide the magnified view of an intersection (page 27).

Map scrolling mode

You can switch to map scrolling mode by touching the map, whether during route guidance or not.

By placing the desired point into the crosshair, you can view the information on the point or open the map option menu.

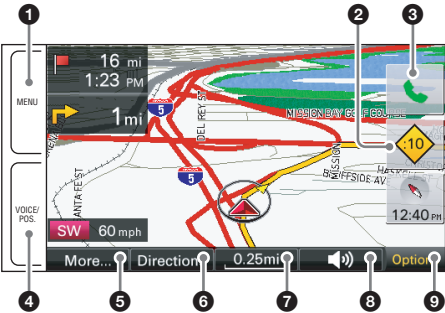


Operations in map scrolling mode

To	Operation
scroll a map	drag the screen
move the desired point to the center of the screen	touch the point
pan the map left/right	touch and hold a point and drag it left/right

Using the map tool

The map tool bar appears when you touch “Options” on the map display.



- 1 To show the main menu.
- 2 To check the TMC status/show the traffic messages on the current route (page 17).
- 3 To show the call in progress display (page 22).*
- 4 **During route guidance:**
To hear the next voice guidance and show the current position.
In other cases:
To show the map display.
- 5 To show more map options.
- 6 To show the turn-by-turn list (page 16).
- 7 To zoom in/out the map.
Touch / .
- 8 To adjust the voice guidance volume.
Touch / .
- 9 To hide the map tool bar.

* NV-U83T only.
Appears only during a call.

More map options

More options are available by selecting “More...” in the map tool bar.

Navigate to Here*1

Starts route guidance to the point.

Save to Address Book (page 18)

Saves the point to the address book.

Edit Item*2 (page 24)

Edits the address book entry.

Quit Navigation*3

Exits the current route guidance.

Next Route Destination*3*4 (page 16)

Reroutes to skip the current destination.

*1 Available only for the point selected in map scrolling mode.

*2 Available only for address book entry icons.

*3 Available only during route guidance.

*4 Appears when >> is touched.

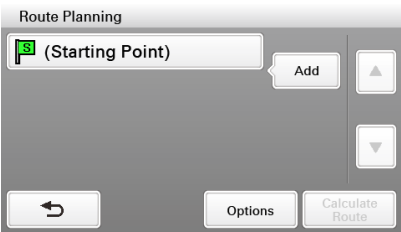
Route planning

Creating a new itinerary

The procedure to create a new itinerary is explained below.

- 1 In the menu display, touch , then “Route Planning.”
- 2 Select “Route Planning,” then “Options.”
- 3 Select “New Route.”

The route planning display appears in which the current position is set as the start point.



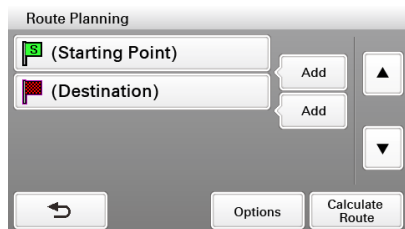
For details on how to change the start point, see “Editing route points” on page 15.

- 4 Select “Add” to add a route point in your itinerary.
The search method selection display appears.
- 5 Select the desired search method to set the route point.

Select	To set
“Enter Address”	by address search (page 8)
“Home”	your home as the route point (page 9)
“Find a Place”	by POI search (page 10), intersection search (page 11), or city center search (page 11)
“My Places”	by recent destinations search (page 11), address book search (page 11), or Favorites search (page 12)
“Browse Map”	a route point from the map display (page 13)
“Current Position”	the current position as the route point

6 After setting the route point, select “Done.”

The route planning display reappears with the selected point added in the list.



The last setting is listed as the final destination.

Repeat step 4 to 6 to continue adding route points. Up to 10 route points can be set.

7 Select “Calculate Route.”

The route calculation starts.

After the calculation is complete, the route confirmation display appears.



8 Select one of the following items.

Start Navigation

To start the route guidance.

Change Condition

To set the route calculation conditions.

- “Standard”: Sets a recommended route.
- “Avoid Toll Roads”: Avoids the use of toll roads.
- “Avoid Toll Roads (Shortest)”: Sets a distance-optimized route without toll roads.

Editing route points

You can edit the selected route points while creating an itinerary.

Select the desired route point in the route planning display, then one of the following items.

Change Location

Shows the search method selection display to set the route point again.

Delete

Deletes the selected point from the itinerary.

Change Order

Changes the order of route points.

Select the point to move → “Up”/“Down” → “Done.”

Tip

You can open the route planning display and modify your itinerary, even after starting route guidance.

Option menu for route planning

The option menu in the route planning/route confirmation display provides various useful operations.

When the route planning/route confirmation display appears, select “Options,” then one of the following items.

Save Route

Saves the current route.

Saved Routes*

Edits the route/starts the route guidance.

Select the route, then one of the following options.

- “Edit”: Shows the route planning display to edit the route point.
- “Rename”: Changes the name of the selected route.
- “Delete”: Deletes the selected route.
- “Start Navigation”: Starts the route guidance.

Route Profile (page 26)

Shows/changes the current route profile settings.

New Route*

Shows the route planning display to create a new itinerary.

Calculation Condition*

To set the route calculation conditions.

For details on options, see page 15.

* Appears only in the option menu of the route planning display while setting the route point(s).